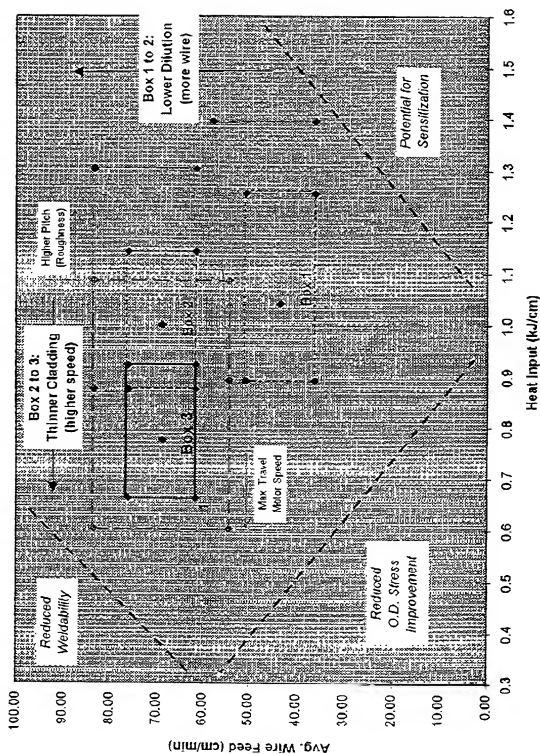


FIG. 1

Heat Boxes 1, 2, 3 (with Reference Points)



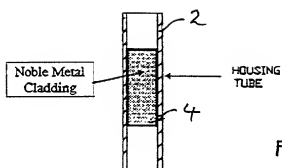


FIG. 2A

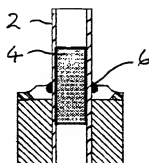


FIG. 2B

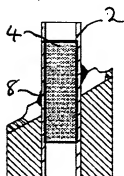


FIG. 2C

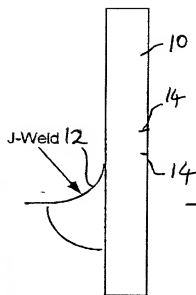


FIG. 3A  
Shallow  
Cracks

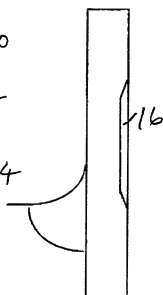


FIG. 3B  
Cracks  
Removed



FIG. 3C  
Counterbore  
NM Cladded

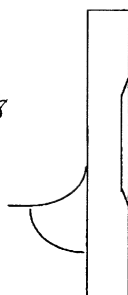
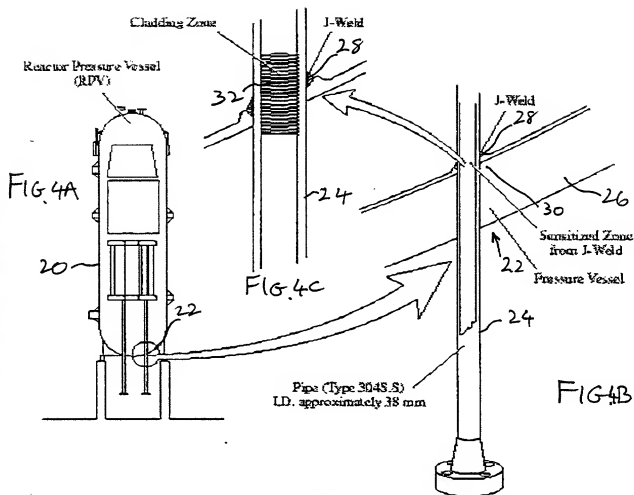


FIG. 3D  
ID Surface  
Finished



ICMH Mitigation

FIG. 4

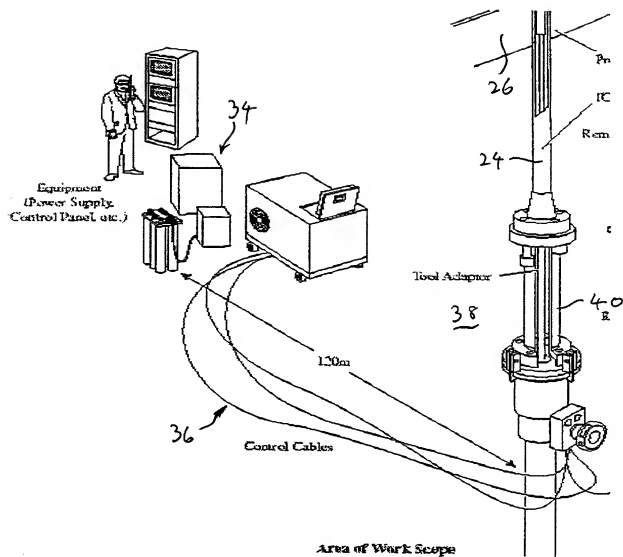


FIG. 5

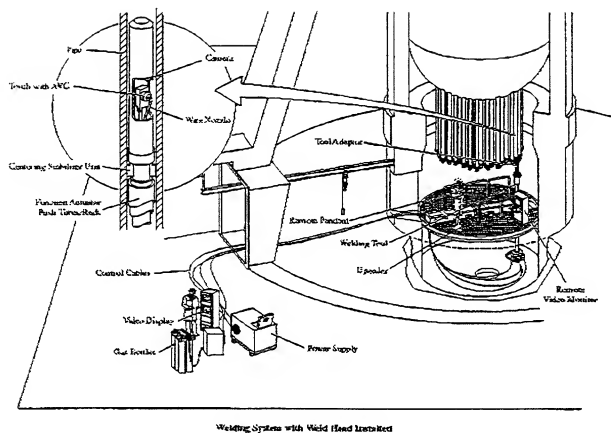


FIG. 6

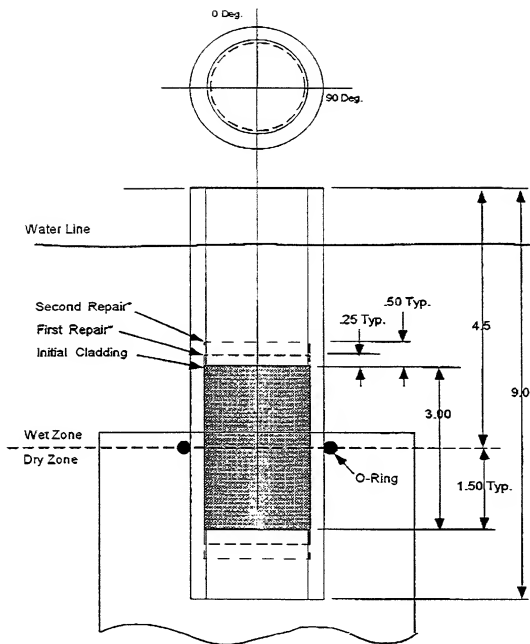
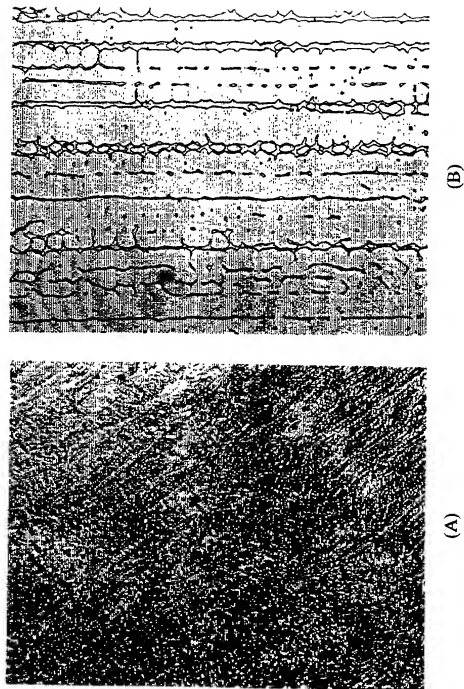


FIG. 7



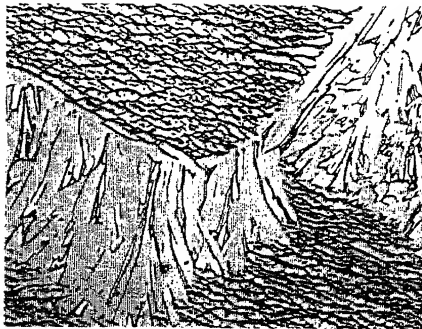
Micrographs Comparing Ferrite Size and Distribution for NM Cladding with Type 316L + 1Pd Filler, 800 X Magnification. (A) Mechanized ICMH Cladding, (B) Manual Cladding

FIG. 8





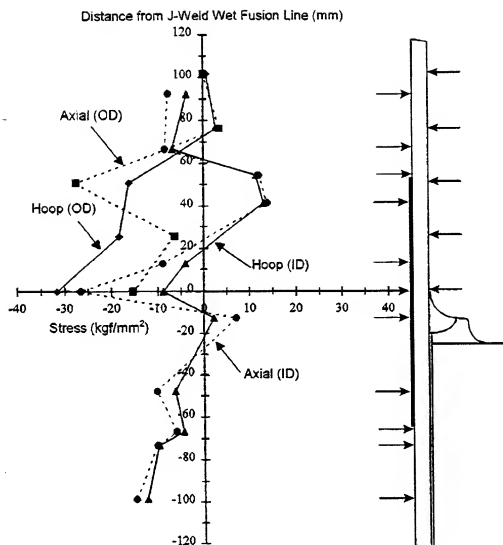
(A)



(B)

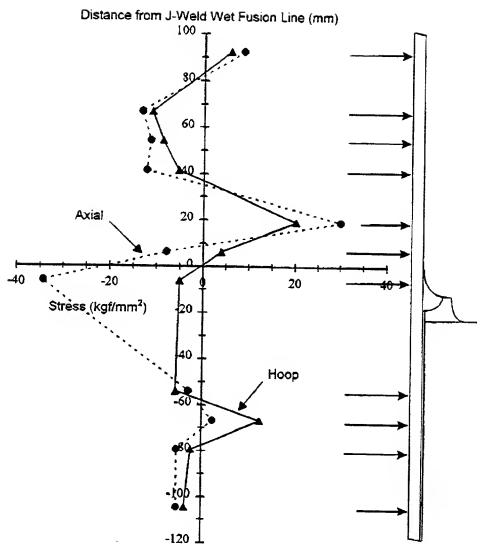
Micrographs Comparing Ferrite Size and Distribution for NM Cladding with Type 308L +1Pt Filler, 800 X Magnification. (A) Mechanized ICMH Cladding, (B) Manual Cladding

Fig. 9



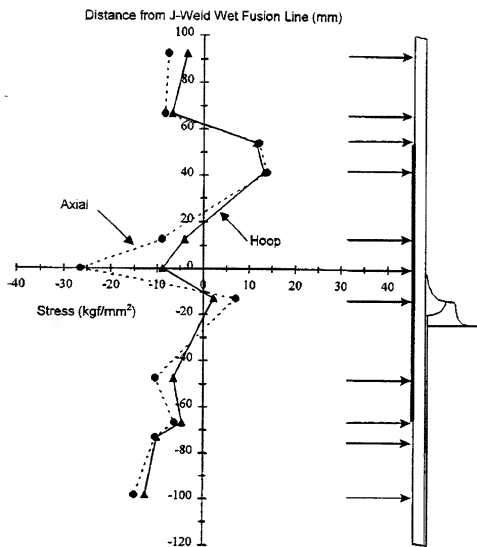
ID/OD Residual Stress (Clad)

FIG. 10A



ID Residual Stress (no clad)

FIG. 10b



ID Residual Stress (clad)

FIG. 10C